

**Notice of Allowability**

Application No.

09/994,073

Examiner

Susan W Berman

Applicant(s)

SHI ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment and Remarks submitted 02-2004.
2. ☒ The allowed claim(s) is/are 1-40.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 7 (11-27-01)
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

Susan W Berman  
Primary Examiner  
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### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Walter Steinkraus on May 11, 2004.

The application has been amended as follows:

In claim 16, lines 2-3, replace "diaryliodonium, triarylsulfonium, diaryliodosonium, triarylsulfoxonium, dialkylphenacylsulfonium, and" with "diaryliodonium salts, triarylsulfonium salts, diaryliodosonium salts, triarylsulfoxonium salts, dialkylphenacylsulfonium salts,".

The following is an examiner's statement of reasons for allowance:

Claim 1 has been amended to exclude the vinyl ether compounds taught by JP 2000-264911, JP 07228842, Nakasuga et al (6,376,070) or Heinz (4,320,188). The compositions recited in claim 1 and its dependent claims requires the presence of an alkenyl ether compound. New claim 31 requires an elastomeric polymer component having the stated tensile strength and elongation at break and selected from the group set forth. New claim 40 requires that the composition comprises one of the specifically recited elastomeric polymers. It is agreed that the references do not teach the limitations of new claims 31-39 or of new claim 40. See Applicant's Remarks submitted 02-02-2004, pages 12-18 for a more detailed discussion.

The newly cited references are cited as art of interest. US 6,008,312 and US 5,130,384 disclose millable polyurethane rubber polymers but do not teach compositions also comprising an unsaturated ether monomer and a cationic photoinitiator. Ruepping (6,346,300) discloses UV curable compositions of

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several kinds of elastomeric polymers with multifunctional (meth)acrylate crosslinking agents and free radical photoinitiators. Woods et al (6,627,762, filed 10-23-2002) disclose UV curable adhesive compositions comprising acetal ester linked propylene carbonate (meth)acrylate esters, (meth)acrylate monomers, free radical or cationic photoinitiators. Woods et al mention that vinyl ether co-curable compounds can be added (column 8, lines 60-65). Bachmann et al (5,385,958) disclose adhesive compositions comprising an activating formulation comprising a liquid vinyl ether diluent and an amine-aldehyde condensation product. An elastomeric domain-providing filler and free radical photoinitiator may be added, however, a cationic photoinitiator is not mentioned.

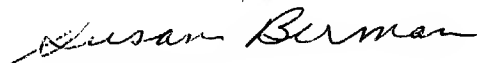
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Susan W Berman whose telephone number is 571 272 1067. The examiner can normally be reached on M-F 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Seidleck can be reached on 571 272 1078. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Susan W Berman  
Primary Examiner  
Art Unit 1711

SB  
May 11, 2004